ATTACHMENT 5

November 2009 - Groundwater Sample Information Sheets

	GROUND	WAIEKSAN	IFLE IIV	FORMATIO	VOILEEI			
acility Name: GP			KEI Pr	oject #: 2829e	-001/003			
	Sample I.D.:MW- 169 D							
Monito	ring Well Da	ta		Sampl	e Types (cir	cle all app	olicable)	
Well Material	_	(PVC)SS/Teflo	on)	Monitoring \	Vell			
Inside Diameter, in.		(1(2)46)		Grab/Compo				
Stick up or stick down	height _		ft	Split Sample				
Total depth of well (TD))	34.67	ft	Duplicate (D	uplicate ID:	Name to an address of the same)	
Depth to product	_		ft	MS/MSD				
Depth to water (DTW)		20.45	ft	Other				
Conventional	sampling	≠CR⇒			ropurge sa			
Height of water column				of pump placer	nent	31	.67	_
(H = TD - DTW)		<u>ft</u>) (1	e mid-screen)		(B) 17.		ft
Conversion value (CV)	X 0.04		1	s purged from			Ø/N	
1 Well volume = H x C	V _=	gal		down >0.3 fee		***	Ø/N	
3 Well volumes =		gal	_	ssive sampling	used?		Y/(N)	
Purge method		•	Flowrat				mL/mi	n
B = bailer, P = pum	p) B/P			ber from contr			4.47	
*Conversion values (ga	1/ft): 0.75" di	a = 0.023 1" d	ia = 0.04,	2" d1a = 0.16,	4'' dia = 0.6	55, 6″ dia =	· 1.4/	
r'ield Test(s)	Stability	Result Res	ult Res	ult Result	Result	Result	Result	
Performed	Range	(3 min) (6 m				(18 min)	(21 min)	
Temperature (°C)	+/- 3%	14.64 14.6	0	14,70	14.68			
Spec. Cond (µmhos)	+/- 3%	1918 .932			957			
D.O. (mg/L)	+/- 10%**	14/ 135			7.15			
pН	+/- 0.1	7.15 7.15	<u> 7,1</u>		7.15			
ORP (mV)	+/- 10 mV**	59 89	\$2	87	87			
Turbidity (NTU)	+/- 10%**							
H_2S (mg/L)								
Fe ²⁺ (mg/L)			1					
Check stability after thr				er until achiev	ed.			
**Only one of these par	rameters must	reach stability.						
01								
Observations:	d C	. 1/A million	ď		* *			
Volume of water purge Sample Date: 11/3/		Time: 4 : 5	S M (mili	tary time)				
Was metals sample filte	zod prior to p	reservation?	VEC K	method:	0.45 um car	rtridge / oth	ner	
Color of water before fi	Itration:	A Δ fter f	iltration:	N/A	0. 15 pin oa	ruru507 ou		-
Color of water before fine Reaction upon addition	of preservativ	zes? YES	NO ex	nlain:	NIA			
Appearance of Water:					- Lander - Control - Contr		Marining of the Control of the Contr	
Well condition:								
The second secon	, ,	10. 22.						
	11.				11-			

cility Name: GP				KEI Pro	oject i	#: 2829e - 0	001/003			
Sample I.D.:MW- 1695					Well Location:					
Sample 1.D. 11.1			<u></u>							
Monitori	ng Well Da	ta				Sample	Types (cir	cle all app	licable)	
Well Material		(PVC)SS	/Teflo	n)	Mor	nitoring W				
Inside Diameter, in.	-	(1/2)	4 6)		Grat	o/Compos:	ite			
Stick up or stick down he	ight -			ft	Split	t Sample				
Total depth of well (TD)		23.21	7	ft	Dup	licate (Du	plicate ID:)	
Depth to product				ft	MS/	MSD				
Depth to water (DTW)	_	20.39		ft	Othe	er	****			
			*.							
Conventional sa	mpling	—————————————————————————————————————	R⇒			Micro	opurge sai	mpling		
Height of water column				Depth o	f pun	np placeme	ent			
(H = TD - DTW)		ft		(place	e mid	-screen)		20.		ft
Conversion value (CV)	X 0.04			Bubbles	purg	ed from fl	ow cell?		Ø /N	
1 Well volume = H x CV		gal			_	>0.3 feet			Ø /N	
3 Well volumes =	****	gal		Was pas	sive	sampling ı	used?		Y /🕥	
Purge method				Flowrat				•	mL/n	nin
(B = hailer P = pump)	B/P						ller consol			
*Conversion values (gal/f	ft): 0.75" di	a = 0.023	1" di	a = 0.04	2" di	a = 0.16, 4	l'' dia = 0.6	55, 6" dia =	1.47	
	,									
reld Test(s)	Stability	Result	Resu	ılt Res	<u>ult</u>	<u>Result</u>	Result	Result	Result	
Performed	Range	$\overline{(3 \text{ min})}$	(6 mi	in) <u>(9 m</u>	in)	(12 min)	(15 min)	(18 min)	(21 min)	
Temperature (°C)	+/- 3%	15,47	15.46	15.4	<u> </u>			***		
Spec. Cond (µmhos)	+/- 3%	1997	1958	1996	2					
	/- 10%**	135	185							
рН	+/- 0.1	703	7.04	7.0	3				***************************************	
	- 10 mV**	170	171	172			****			
	/- 10%**									
H_2S (mg/L)										
Fe^{2+} (mg/L)					-		harara amanana]
Check stability after three	readings ar	nd every r	eading	thereafte	er unt	il achieved	d.			
**Only one of these parar	meters must	reach stal	bility.							
Observations:		,								
Volume of water purged t	from well:	M9 8	gallons							
Sample Date: 11/ 3 /20	<u>009</u> Sample	e Time: _/	<u> 0 : 2</u>	<u>0</u> (mili	tary ti	ime)				
Was metals sample filtere	ed prior to p	reservatio	n?	YES N) ,	method: 0).45 µm cai	rtridge / oth	ner:	
Color of water before filtr	ration: $\mathcal{V}/$	<u>Α</u> Δ	After fi	ltration:	NI	7	,			
Reaction upon addition of	f preservatix	zes? Y	ES (NO ex	plain	: <u> </u>	UlA			
Appearance of Water: (C	lear/Slightly	y Turbid/I	Turbid	./Very Tu	rbid)					
Well condition:OK										
· A	1									
	110						1.1.			
Signature:	Julyun	<u> </u>		· · · · · · · · · · · · · · · · · · ·		Date:	11/3/09			

.cility Name: GP	KEI Project #: 2829e-001/003
Sample I.D.:MW- 1705	Well Location:
Well Material Inside Diameter, in. Stick up or stick down height	
Total depth of well (TD) Depth to product Depth to water (DTW) 26.84 26.84	ft Ruplicate (Duplicate ID: (DAD-01) ft MS/MSD ft Other
Conventional sampling Height of water column (H = TD - DTW) Conversion value (CY)* X 0.04 1 Well volume	Depth of pump placement (place mid-screen) Bubbles purged from flow cell? Is drawdown >0.3 feet Was passive sampling used? Flowrate = mL/mir ID number from controller console "dia = 0.04, 2" dia = 0.16, 4" dia = 0.65, 6" dia = 1.47
reld Test(s) Stability Result Result Performed Range (3 min) (6 min) Temperature (°C) +/- 3% 1.7 L (3 min) Spec. Cond (μmhos) +/- 3% 1.7 L (3 min) D.O. (mg/L) +/- 10%** 1.7 L (3 min) ph +/- 10%** 1.3 L (3 min) ph +/- 10%** 1.3 L (3 min) ph +/- 10 mV** 2.3 L (3 min) ph +/- 10 mV** 2.1 L 2 min ph +/- 10 mV** <td>Result Result Result<</td>	Result Result<
Check stability after three readings and every read **Only one of these parameters must reach stability one of these parameters must reach stability one of water purged from well:v(A gall Sample Date:11/3 /2009 Sample Time:il Was metals sample filtered prior to preservation? Color of water before filtration:v/A After Reaction upon addition of preservatives? YES Appearance of Water: (Clear/Slightly Turbid/Turwell condition:OK	lons : <u>00</u> (military time) YES NO method: 0.45 µm cartridge / other: er filtration: ν (A

cility Name: GP		The second secon	KEI Project #: 2829e-001/003	
Sample I.D.:MW- 17D 3			Well Location:	
Dullipit 112 1111 11 11 11 11 11 11 11 11 11 11				
Moni	toring Well Da	ita	Sample Types (circle all applicable)	
Well Material		(PVC)SS/Teflo	on) Monitoring Well	
Inside Diameter, in.	-	(1(2)4 6)	Grab/Composite	
Stick up or stick down	n height		ft Split Sample	
Total depth of well (T	_	38.45	ft Duplicate (Duplicate ID:)	
Depth to product			ft MS/MSD	
Depth to water (DTW	7)	21.11	ft Other	
2 - P				
Conventiona	l sampling	⇒ (=OR⇒	Micropurge sampling	
Height of water colun			Depth of pump placement	
(H = TD - DTW)		ft		t
Conversion value (C)	X 0.04		Bubbles purged from flow cell?	
1 Well volume = H x	/	gal	Is drawdown >0.3 feet	
3 Well volumes =	=	gal	Was passive sampling used? Y/N	
Purge method	40.000	Sui	Flowrate = mL/min	_ 1
(B = bailer, P = pu	mp) B/P		ID number from controller console #	
*Conversion values ($\frac{\text{mp}}{\text{ral/ft}}$ 0.75" di	$a = 0.023 \cdot 1$ " di	ia = 0.04, 2" dia = 0.16, 4" dia = 0.65, 6" dia = 1.47	
Conversion values (§	$\mathbf{z}^{\mathbf{d}i/1t}$. 0.75 \mathbf{d}	u 0.023 i di	•	
Lald Track(a)	Stability	Result Resu	ult <u>Result Result Result Result</u> .	
ield Test(s)	•	(3 min) (6 min)		
Performed	Range +/- 3%	15.29 15.31		
Temperature (°C)		1.80 1.10		
Spec. Cond (µmhos)	+/- 10%**	180 18		
D.O. (mg/L)	+/- 1076**	7.12 7.12		
pH	+/- 10 mV**	132 132		
ORP (mV)	+/- 10 m v +/- 10%**	170 170	17	
Turbidity (NTU)	T/- 10/0			
$H_2S \text{ (mg/L)}$		and the second s		
Fe^{2+} (mg/L)	hana mandinga a	nd over reading	g thereafter until achieved.	
**Only one of these p	arameters musi	. reach stability.		
Ole a compation as				
Observations: Volume of water purg	rad from well:	WA callons		
Sample Date: $\frac{11}{3}$	/2000 Sample	Time: 11 · 3	A (military time)	
Was motals sample fi	torod prior to p	recerration?	YES NO method: 0.45 μm cartridge / other:	
Was metals sample in	filtration:	A After fi	filtration: V/A	
Describe water before	m of procerustic	Yes? VES	filtration: ν/A explain: ν/A	
A a a a a f Water	on or preservant	Turbid/Turbid	d/Very Turbid)	
Appearance of Water: Well condition: OK	(Cical/Silgilli		a vorg randia,	
wen condition:OK				
·				
	1 1		1 1	
Ciamatura	\ Lalm.		Date: (1)09	
Signature:	your an	<u> </u>		

cility Name: GP				KEI	Projec	t #: 2829e-0	001/003			
Sample I.D.:MW- 16/3					Locat	ion:				
	L		,		-					
Monitor	ing Well Da	ıta				Sample	Types (cir	cle all app	licable)	
Well Material		(PVC)SS	/Teflo	n)	Mo	onitoring W				
Inside Diameter, in.		(1(2)			Gr	ab/Compos	ite			
Stick up or stick down h	eight .			ft	Sp	lit Sample				
Total depth of well (TD)	-	21.73		ft		plicate (Du	plicate ID:			_)
Depth to product	' -	WILL J		ft	i	S/MSD	•			
Depth to water (DTW)	-	18.41		ft	Otl	her				
Depth to water (DT W)		(3.71)	·	11						
	Y •		m_ [Micr	opurge sai	mnling		
Conventional s	ampling		R⇒	D 4	L of			mpinig		
Height of water column				-	_	mp placem	ent	18,73	<u>L</u>	fi
(H = TD - DTW)	/	ft		-		d-screen)	1 110		O/N	
Conversion value (CV)	X 0.04				_	rged from f	low cell?		$\frac{\mathcal{O}/N}{\mathbb{O}/N}$	
1 Well volume = H x C	V <u>=</u>	gal				n > 0.3 feet	10	-		n
3 Well volumes =		gal			-	e sampling	used?	*	Y /(N)	/
Purge method					rate =				$\frac{\mathrm{mL}}{\mathrm{mL}}$	/min
/(B = bailer, P = pump	b) B/P			ID m	ımber i	from contro	oller consol	e #		
*Conversion values (gal	/ft): 0.75" d:	ia = 0.023								
ield Test(s)	Stability	Result	Resu		Result	Result	Result	Result	Result	
Performed	Range	<u>(3 min)</u>	(6 mi		min)	(12 min)	(15 min)	(18 min)	(21 min	7
Temperature (°C)	+/- 3%	15.27	15.5		5,99	15.97	1543			-
Spec. Cond (µmhos)	+/- 3%	1.85	1.56		33	1.83	154			-
<u> </u>	+/- 10%**	1.1/			57	156	55	***************************************		-
pH	+/- 0.1	6.91	690		- 42	492	4.42			-
()	/- 10 mV**	257	228	2	13	213	213	Name of the last o		-
Turbidity (NTU)	+/- 10%**								harden and the second of the s	-
H_2S (mg/L)	•						,		Management of the Control of the Con	-
Fe^{2+} (mg/L)							_			
Check stability after three	e readings a	nd every r	eading	there:	after ur	ntil achieve	d.			
**Only one of these para	ameters mus	t reach stal	bility.							
										
Observations:										
Volume of water purged	from well:	MA S	gallons	5						
Sample Date: <u>11/</u> 3 /2	.009 Sample	e Time: 🤟	1:40	<u>0 </u>	nilitary	time)				
Was metals sample filter	red prior to p	reservatio	n?	YES	NO	method: ().45 µm ca	rtridge / oth	ner:	
Color of water before fil	tration: \mathcal{V}_{I}	/ <u>A</u> A	After fi	Itratio	$n \cdot L L$	i A-				
Reaction upon addition	of preservati	ves? Y	ES ((D)	explai	n:	NIA			
Appearance of Water: (Clear/Slightl	y Turbid/	Turbid	/Very	Turbid	.)				
Well condition:OK		-		-						
	7 1.						1 1			
Signature:	Julian	5				_ Date:	11/3/09			

cility Name: GP		KEI Project #: 2829e-001/003
Sample I.D.:MW- 167 5		Well Location:
Sumpre M2 max		
Monitoring Well Data		Sample Types (circle all applicable)
Well Material (PV)	SS/Teflo	1 =
77 011 11110111111	(1(2)46)	Grab/Composite
Stick up or stick down height		ft Split Sample
	.67	ft Duplicate (Duplicate ID: (D-0-22)
Depth to product		ft MS/MSD
Depth to water (DTW)	45	ft Other
Deput to water (DT 11)	17	
Conventional sampling	-∉OR⇒	Micropurge sampling
Height of water column	~ OIL-	Depth of pump placement
(H = TD - DTW) ft		(place mid-screen) 31.67 ft
Conversion value (CV) X 0.04		Bubbles purged from flow cell?
		Is drawdown >0.3 feet
		Was passive sampling used? Y/ Y/ Y/ Y/ Y/ Y/ Y/ Y/ Y/ Y
5 Well volunies — <u>Sar</u>		Flowrate = mL/min
Purge method		ID number from controller console #
(B = bailer, P = pump) B/P	000 12 43	dia = 0.04, 2" $dia = 0.16$, 4" $dia = 0.65$, 6" $dia = 1.47$
*Conversion values (gal/ π): 0.75 dia = 0	.025 1 01	11a - 0.04, 2 dia - 0.10, 4 dia 0.03, 0 dia 1.17
	1, 73	sult Result Result Result Result Result
ield Test(s) Stability Res		7011
Performed Range (3 m		
Temperature (°C) +/- 3% 15.7		
Spec. Cond (μmhos) +/- 3%		
D.O. (mg/L) +/- 10%**		
pH +/- 0.1 <u>¬.1</u>		,
ORP (mV) +/- 10 mV**	1 126	p 126
Turbidity (NTU) +/- 10%**		
$H_2S \text{ (mg/L)}$		
Fe^{2+} (mg/L)		
Check stability after three readings and ev	ery reading	ng thereafter until achieved.
**Only one of these parameters must reach	h stability.	
Observations:		
Volume of water purged from well:	gallon	ns
Sample Date: 11/3 /2009 Sample Tim	e: 12 : 1	(military time)
Was metals sample filtered prior to preser	vation?	YES NO method: 0.45 µm cartridge / other:
Color of water before filtration: V/A Reaction upon addition of preservatives?	After f	filtration: $\mathcal{N}(A_{\underline{\underline{\underline{\underline{\underline{A}}}}}})$
Reaction upon addition of preservatives?	YES	NO explain: $V \land$
Appearance of Water: (Clear/Slightly Tur	bid/Turbic	d/Very Turbid)
Well condition:OK		
TO CONCINUITY OF		
Λ Λ Λ		t = t
Signature: Signature:		Date: 11/3/09

cility Name: GP		KEI Project #: 2829e-001/003
Sample I.D.:MW- 165s		Well Location:
Monitoring Well Da	ata	Sample Types (circle all applicable)
Well Material	(PVC)SS/Teflo	(n) Monitoring Well
Inside Diameter, in.	(1(2)4 6)	Grab/Composite
Stick up or stick down height		ft Split Sample
Total depth of well (TD)	19,47	ft Duplicate (Duplicate ID:)
Depth to product		ft MS/MSD
Depth to water (DTW)	14.09	ft Other
Depth to water (D1 W)	17,01	It
Continual compling	←OR⇒	Micropurge sampling
Conventional sampling	₩ COK→	Depth of pump placement
Height of water column	ft	(place mid-screen) (L.47 ft
(H = TD - DTW)		(1)
Conversion value (CV) X 0.04		Bubbles purged from flow cell?
1 Well volume = H x CV =	gal	
3 Well volumes = _=	gal	The passive sampling states
Purge method	•	11011140
(B = bailer, P = pump) B / F		ID number from controller console #
*Conversion values (gal/ft): 0.75" d	ia = 0.023 1" di	a = 0.04, 2" dia = 0.16, 4" dia = 0.65, 6" dia = 1.47
ield Test(s) Stability	<u>Result</u> <u>Resu</u>	
Performed Range	(3 min) (6 m	
Temperature (°C) +/- 3%	18.49 18.5	
Spec. Cond (µmhos) +/- 3%	1631 .631	
D.O. (mg/L) +/- 10%**	163 160	
pH +/- 0.1	7.46 7.46	7.46
ORP (mV) +/- 10 mV**	117 117	115
Turbidity (NTU) +/- 10%**		
$H_2S (mg/L)$		
Fe^{2+} (mg/L)		
Check stability after three readings a	nd every reading	thereafter until achieved.
**Only one of these parameters mus	t reach stability.	•
only one of whose parameters are	•	
Observations:		
Volume of water purged from well:	MA gallons	
Sample Date: 11/3 /2009 Sampl	e Time: 12 : 3	(military time)
Was motals sample filtered prior to t	recervation?	YFS NO method: 0.45 um cartridge / other:
Color of victor hofora filtration:	$A \qquad \Delta \text{ fter fi}$	YES NO method: 0.45 μm cartridge / other: Itration: μ/ħ explain: μ/A
Description upon addition of preservati	Vec? VFS	NO explain: UA
Appearance of Water: (Clear) Slight	vos: 1 Lb (v Turbid/Turbid	(Very Turbid)
	ly ruibid/ruibid	voly fuloid)
Well condition:OK		
<u> </u>	•	
Signatura:		Date: $11/3/09$

cility Name: GP		KEI Project #: 2829e-001/003	
Sample I.D.:MW- 1650		Well Location:	
Sample I.DVI II			
Monitoring Well Da	ta_	Sample Types (circle	all applicable)
Well Material	(PVC)SS/Teflo		
Inside Diameter, in.	(1(2)4 6)	Grab/Composite	
Stick up or stick down height		ft Split Sample	
Total depth of well (TD)	46.33	ft Duplicate (Duplicate ID:)
Depth to product		ft MS/MSD	
Depth to water (DTW)	13.88	ft Other	
Dopin to Water (2.1 11)	, = 10 5		
Conventional sampling	⇒eOR⇒	Micropurge sampl	ling
Height of water column		Depth of pump placement	
(H = TD - DTW)	ft	(place mid-screen)	43.33 ft
Conversion value (CY) X 0.04		Bubbles purged from flow cell?	Ø/N
Conversion (a)	gal	Is drawdown >0.3 feet	Ø /N
1 Well volume 11 A O V	gal	Was passive sampling used?	Y /(N)
5 VV CII VOLUITICS	gai	Flowrate =	mL/min
Purge method (B = bailer, P = pump) B / P		_	#
(B = bailer, P = pump) B / P	= 0.023 1" di	a = 0.04, 2" dia = 0.16, 4" dia = 0.65, 0	5" dia = 1.47
*Conversion values (gai/it). 0.75 di	.a = 0.025 1 GI	<i>a</i> 0.01, <i>b</i> dia 0.10, 1 mm	
C4-1-ilia-	Result Resu	ılt <u>Result Result Result</u> <u>F</u>	Result Result
ield Test(s) Stability	(3 min) (6 m		8 min) (21 min)
Performed Range	15.97 15.97		
Temperature (°C) +/- 3%	15.77		
Spec. Cond (μmhos) +/- 3%	$\frac{1017}{153}$ $\frac{152}{152}$,50	Managed Street, and the street
D.O. (mg/L) +/- 10%** nH +/- 0.1	7.38		Projective Co. (Co.) (Co
P**	96 95	<u> </u>	
	10 47	<u> </u>	
Turbidity (NTU) +/- 10%**			And the strength of the streng
$H_2S \text{ (mg/L)}$			
Fe ²⁺ (mg/L)	ad orrows roading	thereafter until achieved	
Check stability after three readings as	nd every reading	g merearter until demoved.	
**Only one of these parameters must	reach stability.		
Observations:	. 10		
Volume of water purged from well:	VIA gallon	S (11:4	
Sample Date: <u>11/</u> 3 /2009 Sample	e Time: <u>13</u> :0	(military time)	das / others
Was metals sample filtered prior to p	reservation?	YES NO method: 0.45 μm cartric	ige / Other.
Color of water before filtration: \mathcal{V}_{ℓ}	A After f	iltration: N/A	
Color of water before filtration: VI Reaction upon addition of preservation	ves? YES	NO explain: PIA	
Appearance of Water: (Clear/Slight)	y)Turbid/Turbic	(Very Turbid)	
Well condition:OK			
1 1			
		i.lalna	
Signature: - Julius	<u> </u>	Date: 113 09	

cility Name: GP	KEI Project #: 2829e-001/003									
Sample I.D.:MW- 1660				Locati	on:					
Monito	ring Well Da	ıta.			Sample	Types (cir	cle all app	licable)		
Well Material	ing (ten 2)	(PVC)SS/Teflo	on)	Mo	onitoring W					
Inside Diameter, in.	-	(1(2)4 6)		1	ab/Compos					
Stick up or stick down l	- 	(12):0)	ft		it Sample					
	-	49,44	ft	1 '	plicate (Du	mlicate ID:)		
Total depth of well (TD	<i>)</i> -	-11/19	ft		S/MSD	.p.110400 120 1	***************************************	/		
Depth to product	-			Oth						
Depth to water (DTW)		14.66	ft	Ou	101					
					7. // *		7			
Conventional s		←OR⇒				opurge sai	mpling			
Height of water column					mp placem	ent	11 11			
(H = TD - DTW)		ft_			d-screen)		46,49			
Conversion value (CV)	X 0.04		Bubble	s pur	ged from f	low cell?		∅ /N		
1 Well volume H x C	V =	gal	Is draw	dowi	n > 0.3 feet			Ø/N		
3 Well volumes =	No. of the last of	gal	Was pa	assive	sampling	used?		Y /🕦		
Purge method			Flowra	te =				mL/min		
(B = bailer, P = pum)	p) B/P		ID nun	nber f	rom contro	ller consol	e #			
*Conversion values (ga	1/ft) · 0.75" d	ia = 0.023 1" di	a = 0.04	. 2" d	lia = 0.16, 4	4'' dia = 0.6	65, 6" dia =	1.47		
Conversion values (ga	1/10). 0.75 (1)			,	,					
1.1.174(-)	Stability	Result Resu	ılt Re	sult	Result	Result	Result	Result		
ield Test(s)	•	(3 min) (6 m		nin)	(12 min)	(15 min)	(18 min)	(21 min)		
Performed (9C)	Range +/- 3%	15.53 15.5			15.51	15.47	15.44			
Temperature (°C)	+/- 3%		$\frac{1}{2}$	ź <u>></u>	1978	1978	.980			
Spec. Cond (µmhos)		-	95		163	162	.66			
D.O. (mg/L)	+/- 10%**	1.01 199			7.54	7.34	7,34			
pH	+/- 0.1	7.35 7.34	$-\frac{77}{119}$				111			
(·)	+/- 10 mV**	132 123	101		110	111	111			
Turbidity (NTU)	+/- 10%**									
$H_2S (mg/L)$							10.00			
Fe^{2+} (mg/L)			4 0			1				
Check stability after thr	ee readings a	nd every reading	g thereaf	ter un	itil achieve	d.	1			
**Only one of these par	ameters must	t reach stability.								
Observations:		í.								
Volume of water purged	d from well:	_MA_gallon	S							
Sample Date: <u>11/</u> 3 /2	2009 Sample	e Time: <u>/3</u> :3	<u>0 (mil</u>	itary	time)					
Was metals sample filte	ered prior to p	reservation?	YES N	10)	method: ().45 µm ca	rtridge / oth	ner:		
Color of water before fi Reaction upon addition	Itration: $\vec{\mathcal{V}}_{l}$	A After f	iltration:	$-\nu$	A					
Reaction upon addition	of preservati	ves? YES	NO e	xplai	n:	NA				
Appearance of Water: (Clear Slightl	v Turbid/Turbid	Very T	urbid)					
Well condition:OK		<i>j</i> =		,	,					
WOII CONGINION.OIX										
1	1 1					, ,				
C:	The state of	\sim			Date:	113/09				

icility Name: GP		·	KEI Project #: 2829e-001/003
	65		Well Location:
Sumpre 1.2			
	toring Well Da		Sample Types (circle all applicable)
Well Material		(PVC)SS/Teflo	
Inside Diameter, in.		(1/2)46)	Grab/Composite
Stick up or stick down	n height		ft Split Sample
Total depth of well (T	D) .	18,98	ft Duplicate (Duplicate ID:)
Depth to product			ft MS/MSD
Depth to water (DTW)	14.88	ft Other
Conventiona	l sampling	⇒ (=OR⇒	Micropurge sampling
Height of water colun	nn /		Depth of pump placement
(H = TD - DTW)		ft	(place mid-screen) 15.98 ft
Conversion value (C)	X 0.04		Bubbles purged from flow cell?
1 Well volume = H x	/	gal	Is drawdown >0.3 feet
3 Well volumes =		gal	Was passive sampling used? Y/N
Purge method			Flowrate = mL/min
(B = bailer, P = pur)	mp) B/P		ID number from controller console #
*Conversion values ($\frac{1}{2}$ $\frac{1}$	$\frac{1}{100}$ ia = 0.023 1" di	a = 0.04, 2" dia = 0.16, 4" dia = 0.65, 6" dia = 1.47
Conversion values (g	541/10). 0.70 4.	0,020 1 01	,
ield Test(s)	Stability	Result Resu	ult Result <u>Result Result Result</u> <u>Result</u>
Performed	Range	(3 min) (6 m	
Temperature (°C)	+/- 3%	17.64 17.67	
Spec. Cond (µmhos)	+/- 3%		
D.O. (mg/L)	+/- 10%**	1.056 1.052 1.89 1.85	183
pH	+/- 0.1	7.09 7.09	
ORP (mV)	+/- 10 mV**	207 208	
Turbidity (NTU)	+/- 100/110	207 200	
• • •	1/- 10/0		
H_2S (mg/L) Fe ²⁺ (mg/L)			
Chaple stability after th	aron rendings s	nd every reading	g thereafter until achieved.
**Only <u>one</u> of these p	arameters mus	liteach stability.	
01			
Observations:	ad faces vivally	MA gallon	
Volume of water purg	ed from wen.	Time 17 : 4	
Sample Date: 11/3	72009 Sample	e Time. <u>15</u> . <u>T</u>	VES ATO mothod: 0.45 um cortridae / other:
Was metals sample fill	tered prior to p	reservation:	YES πethod: 0.45 μm cartridge / other:
Color of water before	filtration: ν_i	Aner II	\overrightarrow{NO} explain: \overrightarrow{DA}
Reaction upon additio	n of preservati	ves: YES	
Appearance of Water:	(Clean Slightl	y Turbid/Turbid	(Very Turbia)
Well condition:OK	- Assume a management		
and the state of t			
1	1		
	(//.=		
Signature:	Julyen	₩	Date: 1\\3\0\\

cility Name: GP		KEI Project #: 2829e-001/003					
Sample I.D.:MW- 154		Well Location:					
Monitoring W Well Material Inside Diameter, in. Stick up or stick down height Total depth of well (TD) Depth to product Depth to water (DTW) Conventional samplin Height of water column (H = TD - DTW) Conversion value (CV)* X 1 Well volume = H x CV = 3 Well volumes = = Purge method (B = bailer, P = pump)	$\frac{(PVC)SS/Teflo}{(1(2)46)}$ 20.40 13.45 g ft 0.04 gal gal gal B/P	Grab/Composite ft Split Sample Duplicate (Duplicate ID:) ft MS/MSD ft Other Micropurge sampling Depth of pump placement (place mid-screen) /7.65 ft Bubbles purged from flow cell? Is drawdown >0.3 feet					
ield Test(s) Performed Rang Temperature (°C) Spec. Cond (μmhos) D.O. (mg/L) pH +/- 100 ORP (mV) Turbidity (NTU) H ₂ S (mg/L) Fe ²⁺ (mg/L) Check stability after three read **Only one of these parameter	ity Result Resu	in) (9 min) (12 min) (15 min) (18 min) (21 min) 7					
Volume of water purged from Sample Date: 11/ 3 /2009	Sample Time: /4: // or to preservation? : \(\begin{align*} \lambda A \text{fter fill} \\ \text{eryatives?} \text{YES} \)	<u>O</u> (military time) YES NO method: 0.45 μm cartridge / other: iltration: ν (ft ν (A)					

cility Name: GP			K	EI Proje	ct #: 2829e-	001/003			
Sample I.D.:MW- /	N	Well Location:							
Moni	toring Well Da	ıta			Sample	Types (cir	rcle all app	licable)	
Well Material		(PVC)SS/Te	flon)	4 1	Ionitoring W				
Inside Diameter, in.	_	(1/2)46)	G	rab/Compos	site			
Stick up or stick down	n height		ft	S	plit Sample				
Total depth of well (T	(D)	28.47	ft	4 }	uplicate (Du	aplicate ID:			_) .
Depth to product			ft	1 1	IS/MSD				
Depth to water (DTW)	11.21	ft	0	ther				
Conventiona	l sampling	≠CR=	⇒		Micı	opurge sa	mpling		
Height of water colun			D	epth of p	ump placem	ient	7-		
(H = TD - DTW)		ft		(place n	nid-screen)		25.4		ft
Conversion value (C)	X = 0.04		Βι	ubbles pr	urged from f	low cell?		<u>Ø/N</u>	
1 Well volume = H x	CV =	gal	Is	drawdov	vn > 0.3 feet			Ø/N	
3 Well volumes =		gal	W	as passi	ve sampling	used?		Y/(N)	**************************************
Purge method			Fl	owrate =	=			m <u>I</u>	_/min
(B = hailer, P = pur)	mp) B/P		ID	number	from contro	oller consol	e #		
*Conversion values (g	gal/ft): 0.75" d	$\overline{ia} = 0.023$ 1"	dia =	0.04, 2"	dia = 0.16,	4" dia = 0.6	55, 6" dia =	: 1.47	
									 ,
ield Test(s)	Stability	Result R	<u>esult</u>	Result	Result	<u>Result</u>	<u>Result</u>	Result	
Performed	Range		min)	(9 min)		<u>(15 min)</u>	<u>(18 min)</u>	<u>(21 mir</u>	<u>a)</u>
Temperature (°C)	+/- 3%		<u>,85</u>	15.85			to the second se		-
Spec. Cond (µmhos)	+/- 3%		12	2.12	_				-
D.O. (mg/L)	+/- 10%**	160	34	<u> </u>	_		***************************************		-
pН	+/ - 0.1	7.06 7.	04	7.05	-				-
ORP (mV)	+/- 10 mV**	122 1	22_	12-1			Name and Address of the Owner, where the Owner, which is the Owner, which is the Owner, where the Owner, which is th	***************************************	
Turbidity (NTU)	+/- 10%**					****			-
H_2S (mg/L)					_	Add 100 - 100 At 100 - 100 At 100 - 100 At 1			-
Fe ²⁺ (mg/L)				× 73 + 1				Marine Control of the	
Check stability after the				ereafter i	antil achieve	ed.			
**Only <u>one</u> of these p	arameters must	t reach stabili	ty.						
Observations:		1							
Volume of water purg	ged from well:	MA gall	ons						
Sample Date: 11/3	/2009 Sample	e Time: <u>14</u>	: <u>35</u>	(militar	y time)	0.45			
Was metals sample fil	ltered prior to p	reservation?	YE	S NO	method:	0.45 µm ca	rtriage / otr	ier:	
Color of water before	filtration: ν	Afte Afte	r filtra	ition: <u> </u>	ain:				
Reaction upon addition	on of preservation	ves? YES	<u>00</u>			P IA			
Appearance of Water:	: (Clear/Slightl	y Turbid/Tur	bid/Ve	ery Turbi	(d)				
Well condition:OK									
and the same states									
1	1 1								
Signature:	Calmin !				Date: 10	13/104			
- 310H/3HHH		- t			, , , , , , , , , , , , , , , , , , ,				

cility Name: GP				KEI Project #: 2829e-001/003				
Sample I.D.:MW- /32				Well Loc	ation:			
Moni	toring Well Da	ıta			Sample	Types (cir	cle all app	licable)
Well Material		(PVC)SS	/Teflon) 1	Monitoring W			
Inside Diameter, in.	· •	(1(2)			Grab/Compos	site		
Stick up or stick down	n height		f	it s	Split Sample			
Total depth of well (T		18.82	f	1 1	Duplicate (Du	iplicate ID:)
Depth to product			f	it 1	MS/MSD			
Depth to water (DTW)	11.25	f	at (Other			
Dopan to water (2 2							<u> </u>	
Conventiona	l campling		R⇒「		Micr	opurge sai	mpling	
Height of water colun				Depth of	pump placem			
(H = TD - DTW)		ft			mid-screen)		15.8	-2
Conversion value (C)	X 0.04		1	**	ourged from f	low cell?		Ø/N
1 Well volume = H x	/	gal		-	swn > 0.3 feet			Ø/N
	=	gal			ive sampling	used?		Y/(N)
3 Well volumes =		gai	1	Flowrate		acou.	<u></u>	mL/m
Purge method	mp) B/P		"		er from contro	iller consol	e. #	
(B = bailer, P = pu *Conversion values (§	$\frac{(np)}{(n1/4)}$, 0.75? d	$\frac{1}{10000000000000000000000000000000000$						1.47
*Conversion values (g	gai/It): 0.75 d.	1a - 0.025	1 dia	- 0.0 -1 , 2	dia - 0.10,	7 C14 0.0	, o ala	1. , ,
* * * TET / . \	Stability	Result	Result	t Resul	t Result	Result	Result	Result
ield Test(s)	Range	(3 min)	(6 min			$\frac{1600 \text{ are}}{(15 \text{ min})}$	(18 min)	(21 min)
Performed Town ording (°C)	+/- 3%	15.10	18.15	18.16	18.17	VIII IIIII	7	
Temperature (°C)	+/- 3%	+449152		1.52				
Spec. Cond (µmhos)	+/- 10%**	190	106	1:67	1.60			
D.O. (mg/L)	+/- 0.1	7.24	7.23	7,23	7.22			
pH ORP (mV)	+/- 10 mV**		234	235	235			
Turbidity (NTU)	+/- 10 m v +/- 10%**	<u> </u>					Name of Additional State	
H_2S (mg/L)	17- 1070	***************************************						
$Fe^{2+} (mg/L)$				-				
Check stability after the	area readings a	nd every re	eading t	hereafter	until achieve	d		
**Only one of these p	orometers musi	t reach stat	oility	inor our tor	diffi dellieve	. .		
· Only one of these p	arameters mus	i Todoli Stat	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,					
Observations:								
Volume of water purg	ed from well	MA O	allons					
Sample Date: 11/3	/2000 Sample	- Time: 1:	· .	(milita	ry time)			
Was metals sample fil	tored prior to r	recervation	n? V	FS NO	method: () 45 µm cai	rtridge / oth	ner:
Color of water before	filtration: 1/1	A A	fter filt	ration:	v/a	3. 10 pill 0a	4,454, 64,	
Reaction upon addition	n of preservativ	$\frac{1}{\text{Vec}^2}$ V	FS A	hatton	lain:	D/A		
Appearance of Water:	(Clear/Slight)	ves: 11 V Turbid/T	Turbid/\	_		79 181		
Well condition:OK	(Creat/Bilgilli	<i>y</i> 1 111 1111/11	GI UIU/	· Oiy I uit				
WEII COMULION.OK								
	1							

icility Name: GP	KEI Project #: 2829e-001/003					
Sample I.D.:MW- +32 148	Well Location:					
Sample I.D. MATA FILE 178						
Monitoring Well Data Well Material Inside Diameter, in. Stick up or stick down height Total depth of well (TD) Depth to product Depth to water (DTW) Conventional sampling Height of water column (H = TD − DTW) Conversion value (CV)* Y	Grab/Composite ft Split Sample ft Duplicate (Duplicate ID:) ft MS/MSD ft Other Micropurge sampling Depth of pump placement (place mid-screen) Bubbles purged from flow cell? Is drawdown >0.3 feet Was passive sampling used? Grab/Composite Duplicate (Duplicate ID:) Micropurge sampling Micropurge sampling Depth of pump placement (place mid-screen) Dystz 21.35 ft D/N Y/N					
Purgemethod	Flowrate = mL/min					
(B = hailer P = nump) B/P	ID number from controller console #					
*Conversion values (gal/ft): 0.75" dia = 0.023 1" di	ia = 0.04, 2" dia = 0.16, 4" dia = 0.65, 6" dia = 1.47					
Conversion variets (gai/it). 0.7.5 dia 0.025 i dia	, , , , , , , , , , , , , , , , , , ,					
ield Test(s) Stability Result (3 min) (6 m) Performed Range (3 min) (6 m) Temperature (°C) +/- 3% (5.73 /5.73 /5.73 /5.73 /5.73 /5.73 /5.73 /5.73 /5.73 /5.73 /5.73 /5.74 /5	in) (9 min) (12 min) (15 min) (18 min) (21 min) 15.78 15.78 15.78 1.63 7.0 2.14 g thereafter until achieved.					
Observations: Volume of water purged from well: Sample Date: 11/3 /2009 Sample Time: /5 : 2 Was metals sample filtered prior to preservation? Color of water before filtration: Reaction upon addition of preservatives? Appearance of Water: (Clear/Slightly Turbid/Turbid Well condition:OK Signature: Signature: July 18 Gallon	YES NO method: 0.45 μm cartridge / other: iltration: ν/ħ explain: ν/ħ					

		KEI Businet #1 2820a 001/002						
cility Name: GP		KEI Project #: 2829e-001/003						
Sample I.D.:MW- 153		Well Location:						
7.6 ·	- d	Sample Types (cir	cle all applicable)					
Monitoring Well D Well Material	(PVC)SS/Teflo	Sample Types (circle all applicable) Monitoring Well						
Inside Diameter, in.	(1(2)46)	Grab/Composite						
Stick up or stick down height		ft Split Sample						
Total depth of well (TD)	14.73	ft Duplicate (Duplicate ID:	(Dup-03)					
Depth to product		ft MS/MSD						
Depth to water (DTW)	12.05	ft Other						
2 op tal to	,							
Conventional sampling	⇒(CR⇒	Micropurge sar	npling					
Height of water column		Depth of pump placement						
(H = TD - DTW)	ft	(place mid-screen)	16.73 ft					
Conversion value (CV) X 0.04	4	Bubbles purged from flow cell?	<u>Ø/N</u>					
1 Well volume = H x CV =	gal	Is drawdown >0.3 feet	<u> </u>					
3 Well volumes = =	gal	Was passive sampling used?	Y/(V)					
Purge method		Flowrate =	mL/min					
(B = bailer, P = pump) B / I	0	ID number from controller console #						
*Conversion values (gal/ft): 0.75" d	$\overline{\text{lia} = 0.023}$ 1" di	a = 0.04, 2" dia = 0.16, 4" dia = 0.6	65, 6" dia = 1.47					
reld Test(s) Stability	Result Resu	<u>ılt Result Result Result</u>	Result Result					
Performed Range	(3 min) (6 m		(18 min) (21 min)					
Temperature (°C) +/- 3%	15.65 15.9							
Spec. Cond (µmhos) +/- 3%	1.65 1.85							
D.O. (mg/L) +/- 10%**	4.44 4,46							
pH +/- 0.1	7.40 714							
ORP (mV) +/- 10 mV^{**}	262 26	3 263						
Turbidity (NTU) +/- 10%**								
H_2S (mg/L)								
Fe^{2+} (mg/L)								
Check stability after three readings a	and every reading	thereafter until achieved.						
**Only one of these parameters mus	st reach stability.							
Observations:	ela 11							
Volume of water purged from well:	gallons	S) (military times)						
Sample Date: <u>11/</u> 3 /2009 Sample	le 11me: <u>/6 : </u>	(mintary ume)	stanidas / atham					
Was metals sample filtered prior to	preservation?	YES NO method: 0.43 µm car	unage / other.					
Color of water before filtration: ν Reaction upon addition of preservation	Arter II	THATIOH. PH						
Reaction upon addition of preservati	ives: YES (No explain. Pin	and the second s					
Appearance of Water: (Clear)Slight	iy Turbia/Turbia	/very ruroid)						
Well condition:OK								
$\Lambda \Lambda_{\Lambda}$		1 1						

cility Name: GP				KEI Pro	ject #: 28	329e-(001/003		
Sample I.D.:MW- 3	02	Well Location:							
								,	
1	toring Well Da	nta	//T. 0					cle all app	licable)
Well Material	-	(PVC)SS		<u>n)</u>	Monitor	-			
Inside Diameter, in.	-	(12)			Grab/Co	-	ite		
Stick up or stick down	-			ft	Split Sar		1' / TD.		`
Total depth of well (T	D) _	37.5		ft	•	•	plicate ID:)
Depth to product	-			ft	MS/MSI	J			
Depth to water (DTW)	12.48		ft	Other				
			-						
Conventiona	l sampling	 ←(DR⇒				opurge sai	mpling	
Height of water colun	nn			-	f pump pl		ent	·	~ ~
(H = TD - DTW)		ft		•	mid-scre			34.5	9
Conversion value (C)	X 0.04				purged fi		low cell?		Ø/N
1 Well volume = H x	CV =	gal			lown > 0.3			***************************************	<u> </u>
3 Well volumes =		gal		_	sive samp	pling '	used?		Y/(N)
Purge method				Flowrate					mL/mi
(B = bailer, P = pu	mp) B/P						ller consol		1.15
*Conversion values (g	gal/ft): 0.75" d:	ia = 0.023	1" dia	a = 0.04,	2" dia = 0	0.16, 4	4" dia = 0.6	65, 6 dia =	1.47
reld Test(s)	Stability	Result	Resu			sult	Result	Result	Result
Performed	Range	(3 min)	<u>(6 mi</u>			min)	(15 min)	<u>(18 min)</u>	(21 min)
Temperature (°C)	+/- 3%	15:15	15.22						
Spec. Cond (µmhos)	+/- 3%	.647	1695						
D.O. (mg/L)	+/- 10%**	1187	1.56	1-56				***************************************	
pH	+/- 0.1	757	7.57	7.5	<u> </u>		Accessive and remains or described		
ORP (mV)	+/- 10 mV**	119	119	/20					
Turbidity (NTU)	+/- 10%**				· · · · · · · · · · · · · · · · · · ·				
$H_2S (mg/L)$			***************************************						
Fe ²⁺ (mg/L)	1.	1		th area fto		biorro	A		
Check stability after the				mereane	r until ac.	meve	u.		
**Only <u>one</u> of these p	arameters must	t reach sta	omiy.						
01									
Observations: Volume of water purg	ad from mall:	do	ralland	,					
Sample Date: 11/3	2000 Sample	<u> </u>	3a110118	o O (milit	ary time)				
Was metals sample fil	tored prior to p	recervatio	12.7 ×	VEC M	met)	hod: () 45 um cai	rtridge / oth	ner:
Color of water before	filtration: 1/1	A A	ui. After fi	Itration.	DIA -				
Reaction upon addition	n of preservation	vec? V	FS A	(i) ex	<u> </u>		UlA		
Appearance of Water:	(Cleat/Slight)	v Co. 1 v Turbid/	Furbid				<u> </u>		
Well condition:OK	(Clear/Singini	y 1 410147.	i ui oiu	v v ci y i di	1014)				
Wen condition.Ox									
	11.						11.		
Signature:	Julian	S			Dat	e:	11/3/09		
					1				

cility Name: GP			KEI Project #: 2829e-001/003				
	33R		Well Location:				
Moni	toring Well Da	ıta	Sample Type	es (circle all applicable)			
Well Material		(PVC)SS/Teflo) Monitoring Well				
Inside Diameter, in.	-	(1(2)4 6)	Grab/Composite				
Stick up or stick down	n height		Split Sample				
Total depth of well (T	-	15.94	t Duplicate (Duplica	te ID:)			
Depth to product		, , , , , , , , , , , , , , , , , , , ,	MS/MSD				
Depth to water (DTW	7	9.51	Other				
Depui to water (D1 W	<i>)</i>	(,3)					
	Lagrandina	←OR⇒	Micropur	ge sampling			
Conventiona		≠ CK⇒	Depth of pump placement	<u>se sampinas</u>			
Height of water colun	nn	.c.	(place mid-screen)	12.94 f			
(H = TD - DTW)		ft	-				
Conversion value (C)			Bubbles purged from flow c	©/N			
1 Well volume = H x	CV =	gal	s drawdown >0.3 feet				
3 Well volumes =		gal	Was passive sampling used?	mL/min			
Purge method			Flowrate =	Western Co. C.			
/(B = bailer, P = pu	mp) B/P		D number from controller c	onsole #			
*Conversion values (g	gal/ft): 0.75" di	ia = 0.023 1" di	= 0.04, 2" dia = 0.16, 4" dia	$= 0.65, 6^{\circ} \text{ dia} = 1.47$			
ield Test(s)	Stability	Result Resu		sult Result Result			
Performed	Range	(3 min) (6 m		min) (18 min) (21 min)			
Temperature (°C)	+/- 3%	15.98 19.02	19.03				
Spec. Cond (µmhos)	+/- 3%	1.430 11431	<u> 1.425 </u>				
D.O. (mg/L)	+/- 10%**	2.78 2.78	- 2.79				
pН	+/- 0.1	7.16 7.17					
ORP (mV)	+/- 10 mV**	404 403	403				
Turbidity (NTU)	+/- 10%**		and the second s				
$H_2S (mg/L)$							
Fe^{2+} (mg/L)							
Check stability after t	hree readings a	nd every reading	hereafter until achieved.				
**Only one of these p	arameters must	t reach stability.					
, <u>, , , , , , , , , , , , , , , , , , </u>							
Observations:							
Volume of water purg	ged from well:	MA gallon					
Sample Date: 11/4	/2009 Sample	e Time: $9:3$	(military time)				
Was matala samula fi	Itered prior to p	recervation?	ES NO method: 0.45L	ım cartridge / other:			
Color of water before	filtration: $\vec{\mathcal{V}}_{i}$	A After f	ration: ν/A explain: ν/A				
Reaction upon addition	on of preservati	ves? YES	o explain: DA				
Appearance of Water:	(Clear/Slightl	v Turbid/Turbid	Very Turbid)	•			
Well condition:OK	The state of the s		•				

ıcility Name: GP		KEI Project #: 2829e-001/003					
Sample I.D.:MW- 175		Well Location:					
Monitoring Well D		Sample Types (circle all applicable)					
Well Material	(PVC)SS/Teflo						
Inside Diameter, in.	(1(2)46)	Grab/Composite					
Stick up or stick down height		ft Split Sample					
Total depth of well (TD)	26.00	ft Duplicate (Duplicate ID:)					
Depth to product		ft MS/MSD					
Depth to water (DTW)	8.93	ft Other					
Conventional sampling	←OR⇒	Micropurge sampling					
Height of water column		Depth of pump placement					
(H = TD - DTW)	ft	(place mid-screen) 23.00 ft					
Conversion value (CV) X 0.04	4	Bubbles purged from flow cell?					
1 Well volume = H x CV =	gal	Is drawdown >0.3 feet					
3 Well volumes = =	gal	Was passive sampling used? Y/N					
Purge method		Flowrate = mL/min					
(B = bailer, P = pump) B/I	P	ID number from controller console #					
*Conversion values (gal/ft): 0.75" of	$\frac{1}{1}$ dia = 0.023 1" di	dia = 0.04, 2" dia = 0.16, 4" dia = 0.65, 6" dia = 1.47					
Conversion variety (guarte).							
ield Test(s) Stability	Result Resu	sult <u>Result Result Result Result</u> <u>Result</u>					
Performed Range	$\overline{\text{(3 min)}}$ $\overline{\text{(6 m)}}$						
Temperature (°C) +/- 3%	15.08 15.0						
Spec. Cond (µmhos) +/- 3%	1.87 1.87						
D.O. (mg/L) +/- 10%**	164 .61						
pH +/- 0.1	7.13 7.13						
ORP (mV) +/- 10 mV**							
Turbidity (NTU) +/- 10%**	and the second s						
$H_2S (mg/L)$	Water at a series of the serie						
Fe ²⁺ (mg/L)	Annual Control of Cont						
Check stability after three readings a	and every reading	ng thereafter until achieved.					
**Only one of these parameters mus	st reach stability.	<i>J</i> .					
only one of these parameters and	<i>,</i>						
Observations:	. 1						
Volume of water purged from well:	MA gallon	ns					
Sample Date: $11/\sqrt[4]{2009}$ Sample	le Time: 10 : 1	(military time)					
Was metals sample filtered prior to	preservation?	YES NO method: 0.45 μm cartridge / other:					
C 1 C L L C L L C L C C L C C L C C L C	$//\Delta$ After f	filtration: 11/A					
Reaction upon addition of preservat	ives? YES	NO explain: ν A					
Appearance of Water: (Clear/Slight	lv Turbid/Turbid	id/Very Turbid)					
Well condition:OK		•					
AAA		/ / ~					

		,					
icility Name: GP		KEI Project #: 2829e-001/003					
Sample I.D.:MW- 152		Well Location:					
Well Material Monitoring Well Dat	(PVC)SS/Teflo		onitoring W	ell	cle all applic	able)	
Inside Diameter, in.	(1(2)4 6)		ab/Compos	ite			
Stick up or stick down height		i :	lit Sample				
Total depth of well (TD)	18150		iplicate (Du	plicate ID:)	
Depth to product			S/MSD				
Depth to water (DTW)	13.67	ft Ot	her				
Conventional sampling	←OR⇒			opurge san	npling		
Height of water column (H = TD – DTW)	ft	Depth of pu (place mi	imp placemoid-screen)	ent	15.50	f	
Conversion value (CV) X 0.04		Bubbles pur	rged from fl	ow cell?		r/ N	
	gal	Is drawdow	n > 0.3 feet			/ N	
	gal	Was passive	e sampling ı	used?	Y	<u> </u>	
Purge method		Flowrate =				mL/mir	
(B = hailer P = pump) B/P		ID number	from contro	ller console	2 #		
*Conversion values (gal/ft): 0.75" dia	a = 0.023 1" di	a = 0.04, 2"	dia = 0.16, 4	4" dia = 0.6	5, 6" dia = 1.6	47	
	Result Result (3 min) (6 mi	<u>n) (9 min)</u>	Result (12 min)	Result (15 min)		Result 21 min)	
Temperature (°C) +/- 3%	1743 17.40	17,42	17.41				
Spec. Cond (µmhos) +/- 3%	1 الها ي 1 الهاء		1616				
	3.45 3.00	<u> 300</u>	2.99				
1	7.36 7.3	6 7.3b	7.36				
	250 250	252	2-5:		-		
Turbidity (NTU) +/- 10%**							
H_2S (mg/L) Fe ²⁺ (mg/L)							
Check stability after three readings and	d every reading	thereafter u	ntil achieved	d.			
**Only one of these parameters must:	reach stability.						
Observations:	ŝ						
Volume of water purged from well: _Sample Date: 11/ 4/2009 Sample	Time: /D : 3	od (military	time)				
Was metals sample filtered prior to pr	eservation?	YES NO	method: 0).45 µm car	tridge / other	•	
Color of water before filtration: \mathcal{V}/\mathcal{E}	After fi	Itration: ν	<u>[A</u>	.1.			
Reaction upon addition of preservative	es? YES (NO explai	in: <i>}</i>	UlA		***************************************	
Appearance of Water: (Clear Slightly	Turbid/Turbid	/Very Turbic	1)				
Well condition:OK							

acility Name: GP	-		KEI Project #: 2829e-001/003					
	(lo		Well Location:					
Moni	toring Well Da	ıta	Sample Types (circle all applicable)					
Well Material	-	(PVC)SS/Teflo	on) Monitoring Well					
Inside Diameter, in.	-	(1(2)4 6)	Grab/Composite					
Stick up or stick down	n height		ft Split Sample					
Total depth of well (7		23.13	ft Duplicate (Duplicate ID:)					
Depth to product			ft MS/MSD					
Depth to water (DTW	7)	9.66	ft Other					
Depth to water (D1 **	<i>)</i>	(.00						
Carrontions	Lagraplina	⇒ (=OR⇒	Micropurge sampling					
Conventiona			Depth of pump placement					
Height of water colum	nn	ft	(place mid-screen) 20 3 ft					
(H = TD - DTW)	X 0.04		Bubbles purged from flow cell?					
Conversion value (C)			Is drawdown >0.3 feet					
1 Well volume = H x		gal	Was passive sampling used? Y/					
3 Well volumes =		gal	Flowrate = mL/min					
Purge method	D / D		ID number from controller console #					
B = bailer, P = pu	mp) B/P	. 0022 124	TAD II OMATO OF THE COURT					
*Conversion values (gal/H): 0.75° d	1a = 0.023 1 d	a = 0.04, 2" dia = 0.16, 4" dia = 0.65, 6" dia = 1.47					
ield Test(s) Performed Temperature (°C) Spec. Cond (μmhos) D.O. (mg/L) pH ORP (mV) Turbidity (NTU) H ₂ S (mg/L) Fe ²⁺ (mg/L)	+/- 10%** +/- 0.1 +/- 10 mV** +/- 10%**	Result Result (3 min) (6 m) (4.51 14.44 1.134 1.	in) (9 min) (12 min) (15 min) (18 min) (21 min) [U.50] [U.35] [.53] [.704]					
**Only one of these p								
Observations: Volume of water pury Sample Date: 11/4	ged from well: \(\frac{12009}{2009} \) Sample ltered prior to positive filtration: \(\frac{\bullet}{\lambda} \) of preservation.	place gallon gallon gallon gallon gallon gallon gallon gallon? A After f yes? YES	s <u>DO</u> (military time) YES NO method: 0.45 μm cartridge / other: iltration: ν (A					
Signature:	Julien	~	Date: 1/21/09					

cility Name: GP			KEI Project #: 2829e-001/003
Sample I.D.:MW- 150			Well Location:
Danie III			
Monit Well Material Inside Diameter, in. Stick up or stick down Total depth of well (Topeth to product Depth to water (DTW)	D)	(PVC)SS/Teflo (1(2)4 6) 18.35	Sample Types (circle all applicable) Monitoring Well Grab/Composite ft Split Sample Duplicate (Duplicate ID:) ft MS/MSD ft Other
Conventional	campling	⇒ ⇔ CR⇒	Micropurge sampling
Height of water column (H = TD - DTW) Conversion value (CV) Well volume = H x (CV) Well volumes = Purge method (B = bailer P = pur	$\begin{array}{ccc} & & & & \\ & & & & \\ & & & &$	ft gal gal	Depth of pump placement (place mid-screen) Bubbles purged from flow cell? Is drawdown >0.3 feet Was passive sampling used? Flowrate = ID number from controller console ia = 0.04, 2" dia = 0.16, 4" dia = 0.65, 6" dia = 1.47
ield Test(s) Performed Temperature (°C) Spec. Cond (μmhos) D.O. (mg/L) pH ORP (mV) Turbidity (NTU) H ₂ S (mg/L) Fe ²⁺ (mg/L) Check stability after the **Only one of these pages.	Stability Range +/- 3% +/- 3% +/- 10%** +/- 0.1 +/- 10 mV** +/- 10%**	Result Result (3 min) (6 m) (6	nin) (9 min) (12 min) (15 min) (18 min) (21 min) (2 16.66 (2 72 (2 72 (2 72 (2 72 (2 72 (2 72 (2 72 (3 72 (4 72
Observations: Volume of water purg Sample Date: 11/4 Was metals sample fil Color of water before Reaction upon addition Appearance of Water: Well condition:OK	tered prior to print filtration: \(\frac{\psi}{\psi}\) n of preservation	reservation? A After f ves? YES	YES NO method: 0.45 μm cartridge / other: filtration: ν/π explain: ν/π

icility Name: GP				KELPro	viect#	· 2829e-(001/003			
Sample I.D.:MW- /3 S				KEI Project #: 2829e-001/003 Well Location:						
Sample 1.DM.W- 755				VV CII EC	7046101	**				
Monit	oring Wall Da	ıta			····	Sample	Types (cir	cle all app	licable)	
Monitoring Well Data Well Material (PVC)SS/Teflo			/Teflo	on) Sample Types (circle all applicable) Monitoring Well						
The state of the s					Compos					
Inside Diameter, in. Stick up or stick down	height -	(1(2)		ft		Sample				
Total depth of well (TI		18.58		ft	•		plicate ID:			
Depth to product	_	75.00		ft	MS/N				,	
Depth to water (DTW)	-	13.35		ft	Other					
Depui to water (DT W)		17,33								
Conventional	sampling		R⇒			Micr	opurge sar	mpling		
Height of water colum				Depth of	f pump	placem	ent			
(H = TD - DTW)		ft				screen)		15.88	٢	ft
Conversion value (CV	X 0.04						low cell?	(Ø/N	
1 Well volume H x (/	gal		Is drawd	lown >	-0.3 feet			∅/N	
3 Well volumes =	American	gal		Was pas	sive sa	ampling [.]	used?		Y /🕥	
Purge method				Flowrate					mL/m	in
(B = hailer P = pur	np) B/P			ID numb	er fro	m contro	ller consol	e #		
*Conversion values (g	al/ft): 0.75" di	a = 0.023	1" di	a = 0.04	2" dia	= 0.16, 4	4" dia = 0.6	55, 6" dia =	1.47	
()	,									
ield Test(s)	Stability	Result	Resu	ilt <u>Res</u> i	<u>alt</u>	Result	<u>Result</u>	Result	Result	
Performed	Range	(3 min)	(6 mi	<u>n) (9 m</u>	<u>in) (</u>	<u>12 min)</u>	(15 min)	<u>(18 min)</u>	(21 min)	
Temperature (°C)	+/- 3%	16.51	16.9					-	March 1997	
Spec. Cond (µmhos)	+/- 3%	1594	. 59	3 1590						
D.O. (mg/L)	+/- 10%**	4.67	4,65	J Uile	<u>4</u> -					
pН	+/- 0.1	1,36	7.77	7 73	<u>صا</u>		***************************************			
ORP (mV)	+/- 10 mV**	<u> プレラ</u>	323	7 722					***************************************	
Turbidity (NTU)	+/- 10%**									
H_2S (mg/L)		-						F		
Fe^{2+} (mg/L)							4			
Check stability after th				thereafte	er until	achieve	d.			
**Only one of these pa	arameters must	reach stal	bility.							
Observations:		ý								
Volume of water purge Sample Date: 11/4	ed from well:	N/A E	gallons	3	, •	,				
Sample Date: $11/9$	<u>/2009</u> Sample	e Time: 12	: <u>0</u> :	<u>o</u> (milit	ary tir	ne)		. • • //: /•		
Was metals sample filt	tered prior to p	reservatio	n?	YES NO	\mathcal{D} \mathcal{D}	nethod: ().45 µm cai	rtridge / oth	ier:	_
Color of water before: Reaction upon addition	filtration: $\underline{\mathcal{V}_{l}}$	<u>A</u> A	fter fi	ltration:_	NIA					
Reaction upon addition	n of preservativ	ves? Y	ES (yo ex	plain:_		UIA			
Appearance of Water:	(Clear/Slightly	y Turbid/1	[urbid	/Very Tu	rbid)					
Well condition:OK										
								,		
	1 2									
<					ד	Date: /	Lilna			
Signature:	July	$\overline{\mathcal{O}}$				Date:	HN NJ			

icility Name: GP	KEI Project #: 2829e-001/003						
Sample I.D.:MW-	Well Locat	ion:					
Dullipio							
Monit	toring Well Da	ıta_		Sample	Types (cir	cle all app	olicable)
Well Material	on) Mo	onitoring W					
Inside Diameter, in.	•	(1(2)46)		ab/Compos	site		
Stick up or stick down	n height			lit Sample			
Total depth of well (T		16.71			plicate ID:)
•		70.71		S/MSD			-
Depth to product	``	12 G N		her			
Depth to water (DTW	<u> </u>	12.90	n ot				
				Mior	ODDINGO COL	mpling	
Conventiona		⇔CR⇒	7		opurge sai	.npmg	
Height of water colun	nn		Depth of pu		ent	13:	フ / ft
(H = TD - DTW)	/	ft	1 4	id-screen)	110		
Conversion value (C)	X 0.04		Bubbles pu	-	low cell?		Ø/N
1 Well volume = H x	CV _=	gal	Is drawdow				Ø/N
3 Well volumes =	=	gal	Was passiv	e sampling	used?		Y /(N)
Purge method			Flowrate =				mL/min
(B = bailer, P = pu	mp) B/P	•	ID number	from contro	oller consol	e #	
*Conversion values (g	gal/ft): 0.75" d	$\overline{ia} = 0.023$ 1" di	ia = 0.04, 2	dia = 0.16,	4" dia = 0.6	55, 6" dia =	= 1.47
	,						
ield Test(s)	Stability	Result Resu	ult Result	Result	Result	<u>Result</u>	Result
Performed	Range	$\overline{\text{(3 min)}}$ (6 m	in) (9 min)	(12 min)	(15 min)	(18 min)	(21 min)
Temperature (°C)	+/- 3%	16.8					
Spec. Cond (µmhos)	+/- 3%	1707 170	9 ,712				
D.O. (mg/L)	+/- 10%**	.93 .80	5 186				
pH	+/- 0.1	7.32 7.3	2 7.72				
ORP (mV)	+/- 10 mV**	334 334					
Turbidity (NTU)	+/- 10%**						
$H_2S (mg/L)$., 10,0	Approximate the second			1		
Fe^{2+} (mg/L)							
Check stability after to	hree readings a	nd every reading	g thereafter u	ntil achieve	ed.		
**Only one of these p	orometers mus	t reach stability	5 11101 011101 011				
Only one of these p	arameters mus	t 10aon staointy.					
Ol newsorth on a							
Observations: Volume of water purg	rad from well:	W/A gallon	9				
Sample Date: 11/4	(/2000 Sempl	2 Time: 17 · 2	30 (military	time)			
Was metals sample fi	7 <u>72009</u> Sampi	recorrection?	VEC NO	method:	0.45 um ca	rtridge / otl	her:
~ 1	~1, ,1	/A Afron f	iltration: 11	í A		(41450) 04	
Color of water before Reaction upon addition	filtration:	Alter I	Mation	132.	11/4		
Reaction upon addition	on of preservati	ves: IES	Wom Turbic	111.	<u>~111</u>		
Appearance of Water:	: ClearySlightl	y Turbia/Turbia	1/ very ruroic	1)			
Well condition:OK	A STATE OF THE STA						
1	1.				,		
	(// =	_ /		T .	silve 1.0		
Signature:	Julyen	<u> </u>		Date:	<u> </u>		

				מוסע	roject	#. 28200-1	001/003		
cility Name: GP				KEI Project #: 2829e-001/003 Well Location:					
Sample I.D.:MW- Iw-1				wen.	Jocath	OII.			
		<i>.</i>		1		Sampla	Types (cir	cle all ann	licable)
	toring Well Da	(PVC/SS/	/Tafla	Sample Types (circle all applicable) Monitoring Well					
Well Material	-			111)	1	b/Compos			
Inside Diameter, in.	_	(12)	+ 0)		1	it Sample	itte		
Stick up or stick dowr				ft	, ,	•	iplicate ID:)
Total depth of well (T	D) _	14.71		ft			ipiicate ii).		
Depth to product	_			ft	1	/MSD			
Depth to water (DTW)	11.43		ft	Oth	er			
Conventiona	Leampling		R⇒			Micr	opurge sai	mpling	
			11	Denth	of pur	np placem		1 0	
Height of water colum	111	ft				np praeem 1-screen)	.0111	19.7	f ft
(H = TD - DTW)	X 0.04					ged from f	low cell?		Ø/N
Conversion value (C)	/				_	>0.3 feet	iow con.		Ø/N
1 Well volume = H x		gal					nced?		Y/N
3 Well volumes =		gal		Flowr		sampling	uscu:		mL/min
Purge method	D / D					nom contro	oller consol	e #	11112/111111
(B = bailer, P = pure bailer)	mp) B/P	0.022	1 22 1'	1D nur	nber II	$\frac{1}{10000000000000000000000000000000000$	$\frac{1}{4^{2}} \frac{3}{4} = 0.6$		1 47
*Conversion values (g	gal/ft): 0.757 di	a = 0.023	I ~ C1	a = 0.04	, 2 a	1a − 0.10, '	+ uia – 0.0	55, 0 dia –	1.77
ield Test(s)	Stability	Result	Resu	ılt Re	sult	Result	Result	Result	Result
Performed	Range	(3 min)	(6 mi		min)	(12 min)	(15 min)	(18 min)	(21 min)
Temperature (°C)	+/- 3%	1755	17.63			***************************************			
Spec. Cond (µmhos)	+/- 3%	1829	,83						
D.O. (mg/L)	+/- 10%**	,51	:49		17				
pH	+/- 0.1	7.00	7.00		00				
ORP (mV)	+/- 10 mV**	106	105						
Turbidity (NTU)	+/- 10%**								
$H_2S (mg/L)$	2070								
$Fe^{2+} (mg/L)$									
Check stability after the	hree readings at	nd every re	eading	therea	ter un	til achieve	d.		
**Only one of these p	arameters must	reach stat	oility.						
only one or three p	May .		•						
Observations:		á							
Volume of water purg	red from well:	N/A g	allons	S					
Sample Date: 11/4	/2009 Sample	e Time: 1	3: (7 0 (mi	litary 1	time)			
Was metals sample fil	Itered prior to p	reservation	n? `	YES i	(OV	method:	0.45 µm cai	rtridge / otl	ner:
Color of water before Reaction upon addition	filtration: \mathcal{V}_{I}	A A	fter fi	ltration	· []	A			
Reaction upon additio	on of preservative	 ves? Y]	ES 7	OD O	explair	1:	NA		
Appearance of Water:	Clear/Slightl	y Turbid/T	urbid	/Very T	urbid))			
Well condition:OK		-		-					
							i		
	11.						11.0		
Signature:	Julyan	<u> </u>				_Date:	11/4/04		
	/								

acility Name: GP	KEI Project #: 2829e-001/003
Sample I.D.:MW- 163	Well Location:
Monitoring Well Data Well Material Inside Diameter, in. Stick up or stick down height Total depth of well (TD) Depth to product Depth to water (DTW) Conventional sampling Height of water column (H = TD − DTW) How the product for the	Grab/Composite ft Split Sample ft Duplicate (Duplicate ID:) ft MS/MSD ft Other Micropurge sampling Depth of pump placement (place mid-screen) I 6.25 f
Conversion value (CV)* X 0.04 1 Well volume	Is drawdown >0.3 feet Was passive sampling used? Flowrate = ID number from controller console Work Work Work Work
ield Test(s) Stability Result Result Performed Range (3 min) (6 min) Temperature (°C) +/- 3% 1.31 17.3	in) (9 min) (12 min) (15 min) (18 min) (21 min) 1
Check stability after three readings and every reading **Only one of these parameters must reach stability. Observations: Volume of water purged from well: MA gallons Sample Date: 11/4/2009 Sample Time: 13: 2 Was metals sample filtered prior to preservation? Color of water before filtration: MA After filtraction upon addition of preservatives? YES Appearance of Water: (Clear/Slightly Turbid/Turbid Well condition:OK	s 30 (military time) YES (NO) method: 0.45 µm cartridge / other: iltration: ν/\hbar explain: ν/\hbar

icility Name: GP		KEI Project #: 2829e-001/003				
Sample I.D.:MW- 173		Well Location:				
Monitoring Well D	ata	Sample Types (circle all applicable)				
Well Material	(PVC/SS/Teflo					
Inside Diameter, in.	(1(2)4 6)	Grab/Composite				
Stick up or stick down height		ft Split Sample				
Total depth of well (TD)	17.45	ft Duplicate (Duplicate ID:)				
Depth to product		ft MS/MSD				
Depth to water (DTW)	13,38	ft Other				
Departo water (DTW)	19,00					
Conventional sampling	=OR⇒	Micropurge sampling				
		Depth of pump placement				
Height of water column	ft	(place mid-screen) 14.45 ft				
(H = TD - DTW) Conversion value (CV) X 0.04		Bubbles purged from flow cell?				
		Is drawdown >0.3 feet				
1 Well volume H x CV =	gal	Was passive sampling used? Y/\(\sigma\)				
3 Well volumes = _=	gal	Flowrate = mL/min				
Purge method	0	ID number from controller console #				
$(B = bailer, P = pump) \qquad B/1$	1: - 0 022 1" di	a = 0.04, 2" dia = 0.16, 4" dia = 0.65, 6" dia = 1.47				
*Conversion values (gal/π): 0.75 C	11a - 0.025 1 dr	a = 0.04, 2 dia 0.10, 1 dia 0.00, 0 dia 11.				
G. 1 '1'	D14 D oct	ult Result <u>Result Result Result</u>				
ield Test(s) Stability	Result Result (3 min) (6 min)					
Performed Range	17.04 17.03					
Temperature (°C) +/- 3% Spec. Cond (µmhos) +/- 3%	101 697					
F • • • • • • • • • • • • • • • • • • •	146 1.55					
D. G. (1115 -)	7.28 7.20					
P		268				
	200 0					
Turbidity (NTU) +/- 10%** H ₂ S (mg/L)						
Fe ²⁺ (mg/L)						
Check stability after three readings a	and every reading	thereafter until achieved.				
**Only one of these parameters mus	at reach stability	5 moreurer warm warm				
Omy one of these parameters make	t 10doll blacility.					
Observations:						
Volume of water purged from well:	ν A gallon	S				
Sample Date: $11/\sqrt{2009}$ Sample	le Time: 11 : 1	(military time)				
Was metals sample filtered prior to	preservation?	YES NO method: 0.45 μm cartridge / other:				
a 1 C 1 1 Com Claustians 11	1/A After fi	iltration: UIA				
Reaction upon addition of preservat	ives? YES	NO explain: UA				
Appearance of Water: (Clear/Slight	ly Turbid/Turbid	/Very Turbid)				
Well condition:OK	-,					
, on condition or						
Λ Λ Λ .						
Signature: Juliun	\gtrsim	Date: 1/4/09				

cility Name: GP		KEI Project #: 2829e-001/003
Sample I.D.:MW- 15%	Well Location:	
Monitoring Well Dat	a	Sample Types (circle all applicable)
	PVCSS/Teflo	on) Monitoring Well
Inside Diameter, in.	(1(2)46)	Grab/Composite
Stick up or stick down height		ft Split Sample
Total depth of well (TD)	18.34	ft Duplicate (Duplicate ID:)
Depth to product	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	ft MS/MSD
Depth to product Depth to water (DTW)	12 1/	ft Other
Depth to water (DT w)	12.21	
	(OB-	Micropurge sampling
Conventional sampling	⇔CR⇒	Depth of pump placement
Height of water column		
(H = TD - DTW)	ft	
Conversion value (CV) X 0.04		Babbles parged from not cont
1 Well volume H x CV =	gal	
3 Well volumes =	gal	Was passive sampling used? Y/\(\mathbb{Y}\)
Purge method		Flowrate = mL/min
(R - hailer P = numn) R/P	*	ID number from controller console #
*Conversion values (gal/ft): 0.75" dia	n = 0.023 1" di	ia = 0.04, 2" dia = 0.16, 4" dia = 0.65, 6" dia = 1.47
ield Test(s) Stability	Result Resu	ult Result Result Result Result Result
	(3 min) (6 mi	(01 :)
	14.89 16.80	
	1742 805	
	1.42 1.32	
	7,24 7,24	
 	300 249	and the second s
	100 211	
1 3101310)		
H_2S (mg/L)		
Fe ²⁺ (mg/L)	. 1.	1 Compatible and a second
Check stability after three readings an	d every reading	g thereafter until achieved.
**Only one of these parameters must	reach stability.	
Observations:	10	
Volume of water purged from well:	gallon:	
Sample Date: 11/4/2009 Sample	Time: 14 : 3	(military time)
Was metals sample filtered prior to pr	eservation?	YES NO method: 0.45 μm cartridge / other:
Color of water before filtration: V/c	4After fi	filtration: $\mathcal{V}(\mathcal{H}_{-})$
Reaction upon addition of preservativ	es? YES	NO explain: VIA
Appearance of Water: (Clear) Slightly	Turbid/Turbid	d/Very Turbid)
Well condition:OK		
		1.1.
Signature: A. Juliun	>	Date:

cility Name: GP		KEI Project #: 2829e-001/003
Sample I.D.:MW- \5		Well Location:
Monitoring Well Date		Sample Types (circle all applicable)
Well Material	PVCSS/Teflor	
Inside Diameter, in.	(1(2)46)	Grab/Composite
Stick up or stick down height		ft Split Sample
Total depth of well (TD)	19.45	ft Duplicate (Duplicate ID:)
Depth to product	-	ft MS/MSD
Depth to water (DTW)	13.06	ft Other
Conventional sampling	⇒(CR⇒	Micropurge sampling
Height of water column		Depth of pump placement
(H = TD - DTW)	ft	(place mid-screen) 16.45 ft
Conversion value (CV) X 0.04		Bubbles purged from flow cell?
	gal	Is drawdown >0.3 feet
1 11 011 101111	gal	Was passive sampling used? Y/N
Purge method	322	Flowrate = mL/min
(B = bailer, P = pump) B/P		ID number from controller console #
*Conversion values (gal/ft): 0.75" dia	$= 0.023 \cdot 1$ " dia	a = 0.04, 2" dia = 0.16, 4" dia = 0.65, 6" dia = 1.47
Conversion values (gaint). 0.75 and	0.020 1 0.0	
ield Test(s) Stability	Result Resu	ult Result <u>Result Result Result</u> Result
1010 1020(3)	(3 min) (6 mi	
	15,06 1510	
· · · · · · · · · · · · · ·	903 899	50 C
T	2001 1.55	
- · · · · · · · · · · · · · · · · · · ·	7.15 7.15	27
F**	326 320	
Turbidity (NTU) +/- 10%**	90	
$H_2S (mg/L)$		
Fe^{2+} (mg/L)		
Check stability after three readings and	l every reading	thereafter until achieved.
**Only one of these parameters must r	reach stability	2 min and 1 min
Omy one of these parameters must be	ouon statinty.	
Observations:	,	
Volume of water purged from well:	MA gallons	S
Sample Date: 11/4/2009 Sample	Time: 15:0	(military time)
Was metals sample filtered prior to pre	eservation?	YES no method: 0.45 μm cartridge / other:
Color of water before filtration: ν Reaction upon addition of preservative	After fi	iltration: N/A
Reaction upon addition of preservative	es? YES (NO explain: NA
Appearance of Water: (Clear/Slightly	Turbid/Turbid	1/Very Turbid)
Well condition:OK	1010101 101201-	
Wen condition. Oil		
$\int \int \int \int \int \int \partial u du d$		1.1
Signature: Julius	>	Date: 1/4/h9
Digitation.		

		1 2000 001 1000	
cility Name: GP			
Sample I.D.:MW- 164		Well Location:	
Sample I.D.:MW- 1/p 4 Well Location:		le all applicable)	
Well Material			
Inside Diameter, in.	(1(2)46)		
Stick up or stick down height			`
Total depth of well (TD)	24.77)
Depth to product			
Depth to water (DTW)	19.21	ft Other	
Conventional sampling	←OR⇒		pling
Height of water column			2127
	ft	(place mid-screen)	
Conversion value (CY) X 0.04		Bubbles purged from flow cell?	
	gal	Is drawdown >0.3 feet	
!	gal	Was passive sampling used?	
		Flowrate =	mL/min
(B = hailer P = numn) B/P		ID number from controller console	#
*Conversion values (gal/ft): 0.75" d:	$\overline{ia} = 0.023$ 1" di	a = 0.04, 2" dia = 0.16, 4" dia = 0.65	6 dia = 1.47
ield Test(s) Stability	Result Resu		Result Result
Performed Range	(3 min) (6 mi	in) (9 min) (12 min) (15 min) ((18 min) (21 min)
Temperature (°C) +/- 3%	15.62 15,65	5 /5146	
Spec. Cond (µmhos) +/- 3%	1863 1898	er and	
D.O. (mg/L) +/- 10%**	142 140		Management of the second of th
pH +/- 0.1	7.22 7.22	7.12	
ORP (mV) +/- 10 mV**	320 319	319	
Turbidity (NTU) +/- 10%**			
H_2S (mg/L)			
Fe^{2+} (mg/L)		RECEIVED TO THE PROPERTY OF TH	
Check stability after three readings as	nd every reading	thereafter until achieved.	
**Only one of these parameters must	t reach stability.		
Observations:	1		
Volume of water purged from well:	$\mathcal{N}(\Delta)$ gallons	5	
Sample Date: 11/ 4 /2009 Sample	e Time: <u>15</u> : <u>3</u>	(military time)	
Was metals sample filtered prior to r	reservation?	YES NO method: 0.45 um cartr	idge / other:
Color of water before filtration: ν	<u>A</u> After fi	Itration: $\nu(A)$	
Color of water before filtration: V_{ℓ} Reaction upon addition of preservative	ves? YES	NO explain: NA	
Appearance of Water: (Clear/Slight)	y Turbid/Turbid	/Very Turbid)	
Well condition:OK			
		I dia	
Signature:	<u> </u>	Date:	

cility Name: GP		KEI Project #: 2829e-001/003			
Sample I.D.:MW- /57		Well Location:			
Sample I.DW W - /3/					
Monitoring Well Data		Sample Types (circle all applicable)			
Well Material (P	VC/SS/Teflo:				
(1 011 1114101141	(1(2)4 6)	Grab/Composite			
Inside Diameter, in.	(1(2)+0)	ft Split Sample			
Stick up or stick down height	:3 .6	ft Duplicate (Duplicate ID:)			
Total depth of well (TD)	17:06	ft MS/MSD			
Depth to product					
Depth to water (DTW)	12.15	ft Other			
					
Conventional sampling	∠ ⇔	Micropurge sampling			
Height of water column		Depth of pump placement			
(H = TD - DTW)	ft	(place mid-screen) 14.06 ft			
Conversion value (CV) X 0.04		Bubbles purged from flow cell?			
1 Well volume = H x CV = ga		Is drawdown >0.3 feet			
3 Well volumes = ga	- 1	Was passive sampling used? Y/ Y/ Y/ Y/ Y/ Y/ Y/ Y/ Y/ Y			
Purge method		Flowrate = mL/min			
(B = bailer, $P = pump$) B / P		ID number from controller console #			
(B - variet, F - pump) $B / 1$		a = 0.04, 2" dia = 0.16, 4" dia = 0.65, 6" dia = 1.47			
*Conversion values (gai/it). 0.75 dia -	- 0.025 1 di	4 0.01, as color 0120, 1 and 1121, 1			
04-1-114 D	lesult Resu	lt Result <u>Result Result Result</u>			
, 2020 2000					
1 *	149 1497				
	719 1740	189			
	07 90 25 725				
1 1		33(
l .	32 331	271			
Turbidity (NTU) +/- 10%**					
$H_2S (mg/L)$					
Fe^{2+} (mg/L)					
Check stability after three readings and	every reading	thereafter until achieved.			
**Only one of these parameters must re	ach stability.				
Observations:	1.				
Volume of water purged from well:	2 gallons				
Sample Date: 11/4/2009 Sample T	ime: $16:0$	(military time)			
Was metals sample filtered prior to pres	servation?	YES NO method: 0.45 µm cartridge / other:			
~ 1 0 ~ ~ 1 // 1	16	1tmation: 1/1A			
Reaction upon addition of preservatives	? YES (of explain: Ula			
Appearance of Water: (Clear Slightly T	Turbid/Turbid	Very Turbid)			
Well condition:OK					
The Continue of the Continue o					
A A A		11.			
Signature: Juliun	5	Date: 11/4/09			
Distantion					

			·					
cility Name: GP		KEI Project #: 2829e-001/003						
Sample I.D.:MW- 161			Well Locat	Well Location:				
Monitoring				~	Types (cir	cle all app	licable)	
Well Material	(PVC	SS/Teflo	n Mo	onitoring W	ell ell			
Inside Diameter, in.		(1(2)4 6)	Gr	ab/Compos	ite			
Stick up or stick down heigh	nt		ft Sp	lit Sample	•	100 -	_	
Total depth of well (TD)		.92	ft Di	iplicate (Dr	plicate ID:	(py) -	<u> </u>	
Depth to product	***************************************		ft MS	S/MSD				
Depth to water (DTW)	4	1.08	ft Ot	her				
Depth to water (2 1 w)								
Conventional samp	oling	¢=OR⇒		Micr	opurge sar	npling		
Height of water column			Depth of pu	ımp placem	ent		•	
(H = TD - DTW)	ft			d-screen)			92	
	X 0.04		Bubbles pur		low cell?	(9 /N	
	= gal		Is drawdow	-			Ø/N	
3 Well volumes =	= gal		Was passive	e sampling	used?		Y /(N)	
Purge method			Flowrate =	1 ,0			mL/mi	
(B = bailer, P = pump)	B/P			umber from controller console #				
*Conversion values (gal/ft):	0.75" dia = 0	023 1" di	a = 0.04.2" ($\frac{1}{1}$ ia = 0.16.	$\frac{1}{4}$ " dia = 0.6	5, 6" dia =	1.47	
Conversion values (gal/it).	0.75 dia 0.			,				
ield Test(s) Sta	bility Resi	ult Resi	ılt Result	Result	Result	Result	Result	
	ange (3 m)			(12 min)	(15 min)	(18 min)	(21 min)	
The state of the s	- 3%			16.18	76.16			
F	-3% <u>59</u>			906	1910	Name and the second		
open comment	10%** 5.7			4.72	4.69			
2.0.(3-)	7-0.1			7.00	7.07			
511	$0 \mathrm{mV}^{**} = \frac{1}{35}$	_ / 6	345	348	348			
	10%**				Article Article State Control of the			
$H_2S \text{ (mg/L)}$								
$Fe^{2+} (mg/L)$					Control of the Contro			
Check stability after three re	eadings and eve	ery reading	thereafter u	ntil achieve	d.			
**Only one of these parame	ters must reach	n stability.	,					
Omy one of these parame		2						
Observations:	,							
Volume of water purged fro	m well: W	4 gallons	3					
Sample Date: $11/4$ /2009	Sample Time	e: /la : 3	(military	time)				
Was metals sample filtered	nrior to preserv	zation?	YES NO	method: (0.45 um cai	tridge / oth	ner:	
C 1 C 1 - C - C 1 - C - C 1 front	inn. 1/14	1 ftor fi	Itration W	/ A-		J		
Reaction upon addition of	recentratives?	YES	NO explai	in:	NIA			
Appearance of Water: (Clean	ar Slightly Turl	hid/Turhid	/Very Turbid	1)				
	in Stignity Turk	ora/ rarora	, v 01 y 1 01010	•)				
Well condition:OK								
	1 -				//			
< (//			T	a lat Na			